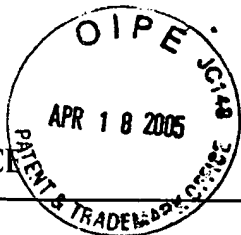




UNITED STATES
PATENT AND
TRADEMARK OFFICE



AUGUST 28, 2002

PTAS

NEW ENGLAND BIOLABS, INC.
GREGORY D. WILLIAMS
32 TOZER ROAD
BEVERLY, MA 01915

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/26/2002

REEL/FRAME: 012921/0098

NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BUZBY, PHILIP R.

DOC DATE: 03/15/2002

ASSIGNOR:

DIMEO, JAMES J.

DOC DATE: 03/15/2002

ASSIGNEE:

NEN LIFE SCIENCE PRODUCTS, INC.
549 ALBANY STREET
BOSTON, MASSACHUSETTS 02113

ASSIGNEE:

NEW ENGLAND BIOLABS, INC.
32 TOZER ROAD
BEVERLY, MASSACHUSETTS 01915

SERIAL NUMBER: 10089027

PATENT NUMBER:

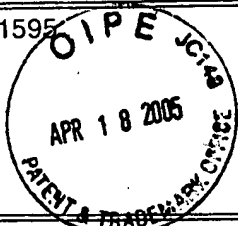
FILING DATE:

ISSUE DATE:

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012921/0098 PAGE 2

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ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



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U.S. Department of Commerce
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IC10 Rec'd PCT/PTO 26 MAR 2002

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

BUZBY, Philip R.
DIMEO, James J.

03/26/02

Additional name(s) of conveying party(ies) attached? No

2. Name and address of receiving party(ies):

Name: NEN Life Science Products, Inc.

Internal Address: _____

Street Address: 549 Albany Street

3. Nature of Conveyances:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other: _____

City: Boston State: MA Zip: 02118

Additional name(s) & address(es) attached? No

Execution Date: March 15, 2002

4. Application number(s) or patent number(s):

If this document is being filed together with a new Application, the execution date of the application is: 3/13/2002

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? No

5. Name and address of party to whom correspondence concerning document should be mailed:

Gregory D. Williams
Name: General Counsel
New England Biolabs, Inc.
Street Address: 32 Tozer Road

Beverly MA 01915
City: _____ State: _____ Zip: _____

6. Total number of applications and patents involved: one

7. Total fee (37 CFR 3.41):\$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit Account Number: 14-0740

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Gregory D. Williams (Reg. No. 30901)

Name of Person Signing

Signature

Date

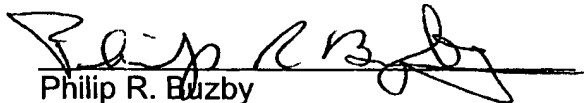
Total number of pages comprising cover sheet: one

ASSIGNMENT

We, Philip R. Buzby and James J. DiMeo for good and valuable consideration from NEN Life Science Products., a Massachusetts Corporation, having its principal place of business in Boston, Massachusetts, hereinafter called the Assignee, receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title, and interest in, to and under an application for Letters Patent of the United States Serial No. _____, signed by me on uneven date herewith for improvements in **INCORPORATION OF MODIFIED NUCLEOTIDES BY ARCHAEOON DNA POLYMERASES AND RELATED METHODS** including all priority rights ensuing therefrom, and the inventions and any of them therein set forth and described, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor, together with the right to apply for such Letters Patent.

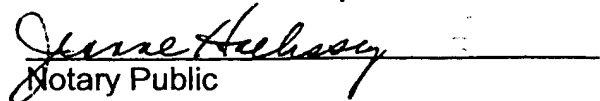
And for the above consideration I agree promptly upon request of the Assignee, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, divisional, continuation or reissue, or other papers which may be necessary or desirable to secure to the Assignee, said application and all patent rights therein, in the United States and in any country foreign thereto.

IN WITNESS THEREOF, I, Philip R. Buzby, hereunder set my hand and seal this 15 day of March, 2002, and I, James J. DiMeo, hereunder set my hand and seal this 15 day of March, 2002.


Philip R. Buzby

Commonwealth (State) of Massachusetts
County of Suffolk ss.

Before me personally appeared said Philip R. Buzby and acknowledged the foregoing instrument of assignment to be [her] his free act and deed this 15 day of Mar., 2002.


Notary Public

JEANNE HALLISSEY
Notary Public
My Commission Expires Nov. 26, 2004



RECORDATION FORM COVER SHEET

PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

JACK, William E.
GARDNER, Andrew F.

2. Name and address of receiving party(ies):

Name: New England Biolabs, Inc.

Internal Address: _____

Additional name(s) of conveying party(ies) attached? No

Street Address: 32 Tozer Road

3. Nature of Conveyances:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other: _____

City: Beverly State: MA Zip: 01915

Additional name(s) & address(es) attached? No

Execution Date: March 18, 2002

4. Application number(s) or patent number(s):

If this document is being filed together with a new Application, the execution date of the application is: 3/18/2002

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Gregory D. Williams
General Counsel

Street Address: New England Biolabs, Inc.
32 Tozer Road

City: Beverly State: MA Zip: 01915

6. Total number of applications and patents involved: one

7. Total fee (37 CFR 3.41):\$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit Account Number: 14-0740

(Attach duplicate copy of this page if paying by deposit account)

04 02/2002 MALI11 00000029 10089027

05 FE:581 40.00 UP

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Gregory D. Williams (Reg.No. 30901)

Name of Person Signing

Signature

Date

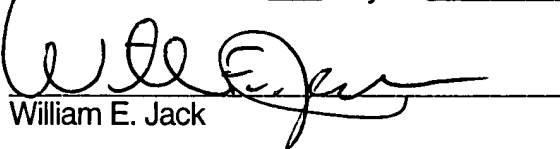
Total number of pages comprising cover sheet: one

ASSIGNMENT

We, William, E. Jack and Andrew F. Gardner for good and valuable consideration from New England Biolabs, Inc., a Massachusetts Corporation, having its principal place of business in Beverly, Massachusetts, hereinafter called the Assignee, receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title, and interest in, to and under an application for Letters Patent of the United States Serial No. _____, signed by me on uneven date herewith for improvements in **INCORPORATION OF MODIFIED NUCLEOTIDES BY ARCHAEOON DNA POLYMERASES AND RELATED METHODS** including all priority rights ensuing therefrom, and the inventions and any of them therein set forth and described, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor, together with the right to apply for such Letters Patent.

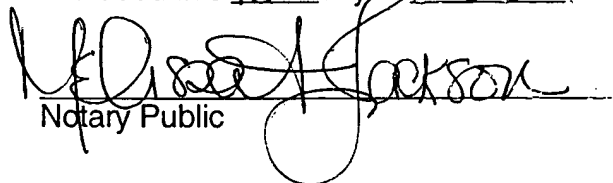
And for the above consideration I agree promptly upon request of the Assignee, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, divisional, continuation or reissue, or other papers which may be necessary or desirable to secure to the Assignee, said application and all patent rights therein, in the United States and in any country foreign thereto.

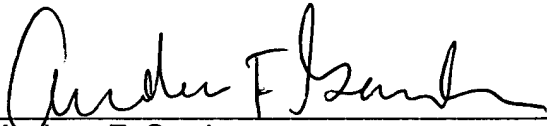
IN WITNESS THEREOF, I, William E. Jack, hereunder set my hand and seal this 18th day of March, 2002, and I, Andrew F. Gardner, hereunder set my hand and seal this 18th day of March, 2002.


William E. Jack

Commonwealth (State) of Massachusetts
County of Essex ss.

Before me personally appeared said William E. Jack and acknowledged the foregoing instrument of assignment to be [her] his free act and deed this 18th day of March, 2002.


Notary Public

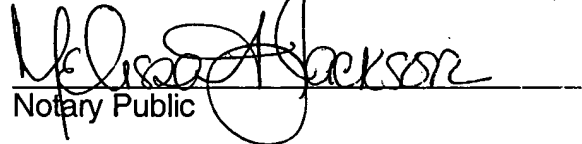


Andrew F. Gardner

Commonwealth (State) of Massachusetts

County of Essex ss.

Before me personally appeared said Andrew F. Gardner and acknowledged the foregoing instrument of assignment to be [her] his free act and deed this 10th day of March, 2002


Notary Public